

ABSTRACT

Determining a cross over router on the occasion of a migration of a mobile terminal connected to a network during communication in the network. A path control device receives path control information from each router in the network and stores the information as a path control table. Then, a pre-migration path between the mobile terminal and the correspondent terminal is recognized and, on the occasion of a migration of a mobile terminal, the path control device predicts a post-migration path between the mobile terminal and the correspondent terminal. The path control device then compares the pre-migration path and the post-migration path to derive as a common part, and a router closest to the mobile terminal in the common part is determined as a cross over router.